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often gathered together, and at times all of the women of a house would work together in *piqui* collecting. Parties of boys and men sometimes picked up the fruit, and a man often went gathering with his wife to protect her from possible enemies, especially if there had been recent threats or omens. He took his bow and arrows, and frequently did not help in carrying the fruit back to the village. The *piqui* was brought to the village in basket containers, and then made into a variety of dishes.

Guava (*waruwaru*) grows wild in the forest, ripening a short time before *piqui* does, but extending into the season of the latter. Quain believed it to be a valuable vitamin C supplement to the diet, but it was a far less important food than *piqui*. Men participated little in guava collecting, although they accompanied their wives for sociability and protection. Quain described these connubial gathering expeditions as being largely pleasant jaunts through the wood. Children often went out for the fruit, which they brought back to the village strung on straws.

The water lily from which salt was made was another important item gathered during the period of Quain's residence among the Trumaí. The water lilies were collected in the Trumaí lagoon, and the complete salt-making process was carried on there. Each Trumaí built a rack over the waters of the lagoon. The lilies were pulled up, spread out on the rack to dry, and later burned. The ashes were sifted to obtain the salt. Quain did not mention any women's salt racks, but the women prepared their own supply of salt, too. Quain saw salt-making only in the early part of September, although it is possible that it occurred prior to this time as well. However, salt was not made after the middle of September, due to the rains and the exigencies of planting.

Ants were eaten by the Trumaí, and, according to an informant, by all groups in the area. A little boy demonstrated the correct way to consume them when he joyously brought in a fat one, plucked off its abdomen and swallowed it. Quain was told that later in the season the women and children would go out and collect them in large quantities. Other insects were in heavy demand for feeding the harpy eagle and other pet birds. Crickets were considered especially good for this purpose, and the boys made great sport of shooting these insects with their miniature bows and arrows.

A few other wild foods were eaten, but these were relatively insignificant. Among them was the fruit of the *ucu'o* palm. Another fruit called *tamux*, resembling the crabapple in taste and superficial appearance, had a gelatinous interior. An unnamed plant is described by Quain as resembling grass, but having a quality like algae. It was eaten only in times of a manioc shortage. *Komu's* is a parasitic plant that looks and tastes like the date. The *atok* is a berry that tastes like the chokecherry.

Fift's and *tawasi*, the fish poisons, were gathered in the locale. The gathering and preparation of *tawasi* boughs was a cooperative venture.

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Older boys and men went into the forest to cut down the trees and bring the boughs back to the village. The men then took turns in pounding the boughs into coarse fiber with the blunt end of an axe. Even men who did not participate in the gathering of the boughs helped in their reduction into fiber.

The group nature of the work is understandable in view of the communal labor and benefits involved in fish poisoning. Once the boughs were reduced, the fibers were cut into sheaves of about two and one-half feet in length. These sheaves were used to poison the water. Interestingly, both bark and wood were pounded up together, although, according to Quain, only the bark is poisonous.

The *buriti* palm supplied two raw materials, *isinke* and *isinke hut'*. *Isinke* was obtained from the heart of the young spike of the growing tip of the palm. The top was separated to give access to the heart, and long fibers were pulled out, which were then hung in the interior of the house to dry. When dry they resembled a heavy hemp, and were used to make cord. *Isinke hut'* is the leaf of the *buriti*, which was used in basketry.

Hunting

Hunting was not important at any time during Quain's stay. Tapir, peccary, deer, monkey, jaguar, squirrel and paca, a large rodent, are among the animals mentioned by Quain as being found in the vicinity, but only the monkey and paca were eaten. Birds were also eaten, and their feathers were used for ornamentation. Terrapin were caught by hand, either by creeping up on them or by swimming close to them under water and grabbing them by the shell. All other game was shot with the bow and arrow, except for the capybara, called *isiao* by the Trumaí. Canoeists speared the swimming animals. The spear was used at no other time in hunting or fishing, although the Yaulapiti speared fish.

Quain saw no organized hunting parties. One or two men sometimes set out with the express intention of hunting, but most animals were shot while on fishing or gathering expeditions. The Trumaí did not rely on meat, nor did they show a craving for it. Hunting seemed to be more a pastime and sport than a subsistence activity. When Quain hunted with the Trumaí he noticed that they wanted him to kill birds more for their feathers than for their meat. They also wanted him to kill several entirely worthless birds because, as two of the men expressed it, they wanted "to see it."

Foods

The horticulture, fishing and gathering economy of the Trumaí gave them a fair variety and adequate quantity of food during most of the year, barring crop failure. The Trumaí, however, had a considerably

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Necklaces were made by tying feathers to a cotton cord with *buriti* fibers. Headdresses included one consisting of a ring of cotton threads with colored feathers attached. The front feathers were long and formed a sort of plume. Another headdress, a feather topknot tied to a cotton headnet, was captured in warfare with the Caiabí. A third was a crown woven of bamboo splints traded from the Waurá for arrow feathers. There were probably many other kinds, as intertribal trade in headdresses was lively.

Belts and anklets were also traded between tribes. A few Brazilian type shirts and hats had found their way into the Trumaí village. They had been obtained from travelers in the region, and especially from the missionaries, Thomas Young and his wife.

The men wore their hair cut straight around the head on a line even with the tops of the ears. A small patch on the crown was plucked, but Quain noted that the Trumaí were much less careful about keeping these parts free of new growth than were the neighboring groups. The scissors which Quain gave to one of the men replaced the old method of hair cutting with an instrument made of *piranha* teeth. A composite comb (*kwaau*) was also used. The back was made of two parallel pieces of cane joined by cotton thread and the teeth of splints from the small roots of a palm-like shrub.

The Trumaí used several vegetable paints to decorate their bodies. This method of adornment was always invoked for ceremonies, and often for wrestling, or when there were guests. The paint most commonly used was the red *urucú* (*matdot*) which was grown in the gardens. The *urucú* was made into a paste by mixing it with oil from the visceral fat of a fish. The paste could be rolled into a ball and applied directly, or spread with the fingers or a spatula made from the middle rib of the *buriti* leaf.

Other body paints were *tawariri*, a black tree gum mixed with soot, and a preparation made from *piquí* fruit and fish oil. There was also a dye, *atdot*, which was not described, and one or two other paints which Quain was unable to identify. *Jany*, a non-decorative paste made from the liver of a fish, was used to ward off insects.

Designs included dots, crescents, zig-zags, circles, curves, straight lines, and combinations of these. Quain observed several standard patterns, many of which were symbolic; others were possibly symbolic representations also, but he was unable to learn their meanings.

One man painted crescents on his chest above either nipple which he said represented vaginas. A rattlesnake design consisted of a half ellipse on the flanks with dots in the center. Quain was told that a design of red spots, with two near the nipples ringed in black, was a boa constrictor. Another snake pattern, made by painting zig-zags down the sides and back, was used on one of the posts erected during the *ole* ceremony.

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Diagnosis and Treatment of Disease

Illness was believed to be caused primarily by witchcraft and, secondarily, by the breaking of a taboo or by contagion. Headaches, bloated stomach (*pihl*) and stomach aches were among the common symptoms of bewitchment. The tremendous fear of black magic probably added greatly to the severity of these afflictions. During Quain's stay the women appeared to complain more of sorcery as a cause of their illnesses than did the men, but this self-diagnosis was not always accepted.

Trumaí concepts regarding contagion were generally loose, and they often fused with witchcraft beliefs. Contagion was acknowledged to be a possible cause of illness, but if death followed, it would in all probability be laid to sorcery. The Trumaí knew that epidemics of pulmonary diseases were associated with the coming of white men, and they were especially worried that when the rainy season arrived Quain would give them coughs and fevers. Indeed, one night when Quain complained of illness and retired to his hammock with a headache, this eventuality was vigorously discussed.

The Trumaí called such a threat *tun*, a word that can be translated only as a malignant influence causing disease. *Tun* was said to exist around sick people or in places where there was known to be danger of contamination. Thus, when several of the people of Jakwanari's household were sick, everyone avoided the house, for it was full of *tun*. Aloari said that the waterfront, also, was full of *tun*. He preferred to bathe from a pottery vessel outside his house. Ringworm, however, was known to be caused by natural means.

The word *okei*, while referring to sorcery under certain conditions, was also a general term for medicinal preparations. Thus, *okei* of various kinds were used in different stages of the life crisis rituals and also in the treatment of various ailments. Roots were extensively used for medicinal purposes. Maibu rubbed his wife's head with the extract of a root (*ipox*) when she had a headache. Another root (*murukuyu*) supplied the basic ingredient for eye drops, and still another was prescribed for ringworm.

The Trumaí were subject to severe boils which were treated by piercing. This was a woman's specialty, and it was usually done by the wife or a close relative of the afflicted person. All other curing, both secular and supernatural, was done by men. Herbal medicines were used exclusively for such ailments as ringworm, but most cures involved both botanical and supernatural means used in conjunction.

Illness was treated by both individual curers and group ceremonies. The practice of individual shamanistic curing, known as *jau'kath*, had much in common with similar arts throughout South America. The main techniques employed were tobacco smoke and sucking. Great

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upon his parents cohabiting; and they immediately told everyone in the village.

Puberty Rites

Male puberty rites were divided into two periods. The first, which was preparatory, covered about three or four years and consisted of the administration of certain medicines (*okeis*) and body-scraping. The second covered a much shorter period and constituted the actual initiation of the boy into the men's group. The observances, starting when a boy was between ten and twelve years of age, increased in frequency and intensity until his final initiation. The purposes, as expressed by the Trumaí, were to make him grow big and strong, give him courage and fortitude, and mark certain achievements on the road to manhood.

Body-scraping was one of the most important means used to accomplish these ends. Two different types of scarification instruments were in use. One was a sort of comb made of fish teeth imbedded in wood; the other was a polished armadillo claw. The former was used during the early phases of scarification, the latter, during the late phases when the whole body was scraped.

The first scraping was limited to the arms or legs. Kamkuti received his initial scarification on the biceps as an aftermath of shooting his first fish. The scraping, painful though it was, was a reward and a recognition of manly achievement. It was also a test of endurance and resistance to pain, and the boy was admonished against flinching or weeping. Such occasions were the first on which the child was exhorted to be manly and courageous.

When the boy reached biological puberty, the scraping became more severe. Arms, legs, flanks, chest, back, and stomach were all scraped, and the operation must have been most painful. Each boy could expect to have this happen to him a few times during the course of his initiation. Jawaku, Maibu's foster-son, had his first overall scarification while Quain was in residence. This was a prelude to the full initiation rites, through which he was soon to pass. Jawaku was a very timid boy, and significantly lacked the assertiveness that was so much a part of Trumaí personality. Katauka, who was officiating, scraped his legs first, then his back, flanks and arms, ending with a light treatment on his chest and stomach. Jawaku looked extremely unhappy, but he did not cry until Katauka began scraping his back. Maibu held him firmly and told him not to cry, while others scolded him for being a baby.

Before the scarification started Jawaku's body was moistened with water from a nearby pot. After it was finished, Katauka rubbed him completely with the bark of the *aruparukatem* tree. This or the bark of the *fift*'s tree (the source of the fish poison previously referred to) were always used to treat the wounds made by scraping.

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always used to treat the wounds made by scraping. Jawaku walked away in a hurt and angry mood, his body covered with blood.

A few days later, in recognition of his advancement, Jawaku made the afternoon serving of food to the assembled men, a custom associated with the *ole* (manioc) ceremony. A further sign of his new position was the drinking of an herbaceous emetic before eating the first *piqui* fruit. Only boys who had not yet had their stomachs scraped could eat *piqui* without first taking the medicine.

One important purpose of body-scraping, the Trumaí thought, was to make the boy grow and give him strength. For this reason even the adult males occasionally scraped their arms. The scars themselves were very much admired. Of still greater value was the size of the muscles of the arms, chest, shoulder, and back of the neck, which the Trumaí believed to be the result of the scraping.

Another method of inducing growth was by drinking medicines made from herbs. All of the upper Xingú peoples were said to know of these preparations. The Suyá were said to have learned to make them also, but not the Yuruna. Adults drank these medicines, but they were especially important during the final phase of the puberty rites.

The perforation of the ear lobes was a distinct and separate part of the cycle of puberty rites, and the only one in which the boys went through a prescribed phase as a group. This observance took place during the equinoctial festive period which follows the rainy season and involved intertribal participation. At the next dry season festival, Quain was told, all the boys would have their ears pierced. Jawaku's ears, however, had been pierced before, whereas Autsuki, who was older and had entered the puberty cycle earlier, had not yet had his ears perforated. Manifestly, the time of the first perforation varied.

At the first piercing the young boy added the name of his mother's father to the name of his paternal grandfather, which he had been given previously. This was also an occasion for scarifying the arms.

Quain was informed that ear-piercing was done by all the upper Xingú area tribes. The Suyá, in common with other Gê-speaking peoples, made very large, and to the Trumaí, very unsightly, perforations in the lobes. Two Trumaí men who had been Suyá captives had such perforations and also pierced lower lips. The latter condition explained satisfactorily to the Trumaí why the Suyá "cannot speak properly."

The puberty ceremonies were climaxed by a final series of tests of strength and courage: wrestling with a small anaconda, a subsequent intensive drinking of *okeis*, and further body-scraping. After this the boy was kept in seclusion until his ears were again pierced.

Both Jawaku and Autsuki were at this stage. One day a snake was located in the lagoon, and Jawaku was urged to go after it. He and Makurawa ran through the brush to the lagoon and searched for it along